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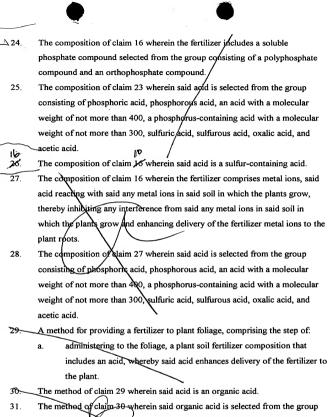
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weight of not more than 400, a phosphorus-containing acid with a molecular weight of not-more than 300, sulfuric acid, sulfurous acid, oxalic acid, and acetic acid. 9 13. The method of claim 3 wherein said acid is a sulfur-containing acid. 14. The method of claim 3 wherein the fertilizer includes metal ions, said acid reacting with said any metal ions in said soil in which the plants grow thereby 7 inhibiting any interference from said any metal ions in said soil in which the 8 plants grow and enhancing delivery of the fertilizer metal ions to the plant 9 roots The method of claim 14 wherein said acid is selected from the group 10 15. 11 consisting of phosphoric acid, phosphorous acid, an acid with a molecular 12 weight of not more than 400, a phosphorus-containing acid with a molecular 13 weight of not more than 300, sulfuric acid, sulfurous acid, oxalic acid, and 14 acetic acid. 18 A plant fertilizer composition comprising an acid whereby said acid reacts with 16 any metal ions in the soil in which the plants grow thereby shielding the 17 fertilizer from interference with any metal ions in the soil and enhancing 18 delivery of the fertilizer to the plant roots. 19 The composition of claim 16 wherein said acid is an organic acid. 20 18. The composition of claim 17 wherein said organic acid is selected from the 21 group consisting of an acid containing at least one carboxylic group, an aliphatic acid, and an aliphatic multi-carboxyl acid. The composition of claim 17 wherein said organic acid is citric acid. The composition of claim #9 wherein the fertilizer includes phosphate ions and 25 the molar ratio of citric acid concentration to the concentration of the phosphate ions is about 0.125 to 8.0. 26 27 21. Sub 67) The composition of claim 19 wherein said molar ratio is about 0.25 to 4.0. 28 22. The composition of claim 19 wherein said molar ratio is about 0.25 to 2.0. The composition of claim 16 wherein the fertilizer includes phosphorus. 23. 29 βo

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31. consisting of an acid containing at least one carboxylic group, an aliphatic acid, and an aliphatic multi-earboxyl acid.

The method of claim 30 wherein sald organic acid is citric acid 32.

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14 38 The method of claim 32 wherein the fertilizer includes phosphate ions and the 2 molar ratio of citric acid concentration to the concentration of the phosphate 3 ions is about 0.125 to 8.0. The method of claim 33 wherein said molar ratio is about 0.25 to 4.0. The method of claim 33 wherein said molar ratio is about 0.25 to 2.0. 5 13521 36-The method of claim 80 wherein the fertilizer includes phosphorus `\37. The method of claim 30 wherein the fertilizer includes a soluble phosphate 8 compound selected from the group consisting of a polyphosphate compound 9 and an orthophosphate compound. 10 38. The method of claim 36 wherein said acid is selected from the group 11 consisting of phosphoric acid, phosphorous acid, an acid with a molecular 12 weight of not more than 400, a phosphorus-containing acid with a molecular 13 weight of not more than 300, sulfuric acid, sulfurous acid, oxalic acid, and 14 acetic acid. 15 _39-The method of claim 30 wherein said acid is a sulfur containing acid. 16 40. The method of claim 30 wherein the fertilizer includes metal ions, said acid 17 thereby enhancing delivery of the fertilizer metal ions to the plant roots. 18 41. The method of chaim 40 wherein said acid is selected from the group 19 consisting of phosphoric acid, phosphorous acid, an acid with a molecular weight of not more than 400, a phosphorus-containing acid with a molecular 20 21 weight of not more than 30% sulfuric acid, sulfurous acid, oxalic acid, and acetic acid. 22 23 24 25 26 27 28 29

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